

PATENT

Application No. Not yet assigned
Page 2

the bottom (3) of the receptacle (1) and is driven by a motor (5). The material is discharged from the receptacle (1) through a discharge opening (15) to which the housing (16) of a screw (17) is attached. The discharge opening (15) is provided within the same receptacle (1) and is situated below the path of rotation of the tools (21) and below the support disc (9). Additional moving tools (12) are provided within the same receptacle (1) below the support disc (9) which convey the material into the discharge opening (15). In this way a long dwelling time of the treated plastic material within the receptacle (1) is achieved so that constructive length and driving energy for the screw (17) are economized.

A method for preparing such plastic material provides that the material is continuously treated within the same receptacle in two successive steps by means of two sets of tools arranged one above the other. In the first step carried out by the upper set of tools, the material is pre-communited and/or pre-heated and/or pre-dried and/or pre-mixed. In the second step carried out by the lower set of tools, the same treatment is effected, but less intensively as compared with the first step. The material thus treated is supplied by the tools of the second step to a screw which discharges the material from the receptacle.